Title (en)

GLUCOPYRANOSYL DERIVATIVE AND USE THEREOF

Title (de)

GLUCOPYRANOSYLDERIVAT UND VERWENDUNG DAVON

Title (fr)

DÉRIVÉ DE GLUCOPYRANOSYLE ET UTILISATION ASSOCIÉE

Publication

EP 3747892 A4 20211103 (EN)

Application

EP 19748264 A 20190129

Priority

- CN 201810093154 A 20180131
- CN 2019073550 W 20190129

Abstract (en)

[origin: EP3747892A1] The present invention relates to a glucopyranosyl derivative and a use thereof. In particular, the present invention relates to a glucopyranosyl derivative that is used as an inhibitor of sodium-dependent glucose transporters (SGLTs), particularly being used as an inhibitor of sodium-dependent glucose transporter-1 (SGLT1), and a pharmaceutically acceptable salt or stereoisomer thereof, further relating to a pharmaceutical composition containing the derivative. The present invention further relates to a use of the compound and a pharmaceutical composition thereof in the preparation of a drug for treating diabetes and diabetes-related diseases.

IPC 8 full level

C07H 3/10 (2006.01); **A61K 31/7048** (2006.01); **A61P 3/10** (2006.01); **A61P 5/50** (2006.01); **A61P 9/10** (2006.01); **A61P 27/02** (2006.01); **C07D 493/08** (2006.01)

CPC (source: EP US)

A61K 31/7048 (2013.01 - US); **A61K 45/06** (2013.01 - US); **A61P 3/10** (2017.12 - EP US); **A61P 5/50** (2017.12 - EP); **A61P 9/10** (2017.12 - EP); **A61P 27/02** (2017.12 - EP); **C07D 493/08** (2013.01 - EP); **C07H 3/10** (2013.01 - EP); **C07H 9/04** (2013.01 - US)

Citation (search report)

- [Y] WO 2012023582 A1 20120223 - TAISHO PHARMA CO LTD [JP], et al
- [Y] WO 2010095768 A1 20100826 - TAISHO PHARMA CO LTD [JP], et al
- [Y] WO 2014081660 A1 20140530 - LEXICON PHARMACEUTICALS INC [US]
- See references of WO 2019149178A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3747892 A1 20201209; **EP 3747892 A4 20211103**; CN 111630058 A 20200904; CN 111630058 B 20220215; US 11186602 B2 20211130; US 2021054013 A1 20210225; WO 2019149178 A1 20190808

DOCDB simple family (application)

EP 19748264 A 20190129; CN 2019073550 W 20190129; CN 201980008449 A 20190129; US 201916965438 A 20190129